



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/492,568	01/28/2000	Akihiro Ouchi	684.2961	1031

5514 7590 03/13/2003

FITZPATRICK CELLA HARPER & SCINTO
30 ROCKEFELLER PLAZA
NEW YORK, NY 10112

EXAMINER

JORGENSEN, LELAND R

ART UNIT PAPER NUMBER

2675

DATE MAILED: 03/13/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/492,568

Applicant(s)

OUCHI, AKIHIRO

Examiner

Leland R. Jorgensen

Art Unit

2675

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 February 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1 - 4 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1 - 4 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Continued Prosecution Application

1. The request filed on 19 February 2003 for a Continued Prosecution Application (CPA) under 37 CFR 1.53(d) based on parent Application No. 09/492,568 is acceptable and a CPA has been established. An action on the CPA follows.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1 – 4 are rejected under 35 U.S.C. 102(e) as being anticipated by Furuhashi et al., USPN 5,909,205.

Claim 1

Claim 1 describes a picture display apparatus for displaying a picture in response to inputted picture signals of arbitrary format. Furuhashi teaches a picture display apparatus comprising the following.

Furuhashi teaches a picture display unit [liquid crystal display panel 124]. Furuhashi, col. 6, lines 63 –67 and figure 1.

Art Unit: 2675

Furuhashi teaches picture display unit drive means for converting inputted picture signals [analog video signal 102] into display picture signals [display data 121] and generating drive time signals [timing signals 122]. Furuhashi, col. 18, lines 18 – 36; col. 8, line 67 – col. 9, line 9; and figure 1. The picture display unit includes a picture memory [frame memory 110 and line memory 111] for storing picture signals inputted into the picture memory. Furuhashi, col. 7, lines 30 – 54.

Furuhashi teaches display position control means [memory access reconciling signal 123] for detecting the picture display position on the picture display unit based on the display picture and drive timing signals. Furuhashi, col. 8, lines 28 – 36; col. 11, lines 50 – 65; and figure 1.

Furuhashi teaches a display position control means [frame/line memory control circuit 112] for controlling a timing of admission of the inputted picture signals to the picture memory based on the detected display position data from the display position detection means, thereby adjusting a picture display position. Furuhashi, col. 7, lines 55 – 65 and figure 1.

Claim 2

Furuhashi teaches a horizontal synchronizing signal, a vertical synchronizing signal, and a pixel clock signal. Furuhashi, col. 12, line 21 – 24; and figures 5 – 7.

Claim 3

Although Furuhashi does not specifically teach detection of the horizontal and vertical commencement and termination positions, it is inherent to any detection of the pulses shown in figures 5 – 7 that the display position detection means detects such positions. Furuhashi, col. 12, line 21 – 24; and figures 5 – 7. Furuhashi teaches display position control means [frame/line memory control circuit 112] that controls a timing of admitting the inputted picture signals into

the picture memory in the picture display unit drive means, based on a difference between detected position data and set timing data for outputting display picture signals, thereby automatically adjusting a picture display position. Furuhashi, col. 7, lines 55 – 65 and figure 1.

Claim 4

Furuhashi teaches a preset memory [memory architecture decode circuit 205] for storing and judging the formatting values. Furuhashi, col. 9, line 59 – col. 10, line 8; and figure 1.

Response to Arguments

4. Applicant's arguments with respect to claims 1 - 4 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Swan et al., USPN 6,028,586, teaches a method and apparatus for detecting image update rate differences.

Tanaka, JP 05072986 A, teaches an automatic adjust circuit for a CRT display.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Leland Jorgensen whose telephone number is 703-305-2650. The examiner can normally be reached on Monday through Friday, 7:00 a.m. through 3:30 p.m..

Art Unit: 2675

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steven J. Saras can be reached on 703-305-9720.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks
Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office, telephone number (703) 306-0377.

lrj



STEVEN SARAS
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600